

623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 ... Amino A. No.  
 LYS LYS PRO VAL MET THR LEU PRO TYR GLY SER THR ARG LEU THR CYS ARG GLU SER VAL ILE ASP TYR ILE VAL... WT A.A. Seq.  
 ... AAA AAG CCC GTG ATG ACC TTG CCA TAT GGT TCT ACT CGC TTA ACT TGC CGT GAA TCT GTG ATT GAT TAC ATC GTA... WT N.A. Seq.

... 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 ... Amino A. No.  
 ... LYS LYS PRO VAL MET THR LEU PRO TYR GLY SER THR ARG LEU THR CYS ARG GLU SER VAL ILE ASP TYR ILE VAL... WT A.A. Seq.  
 ... AAA AAG CCC GTG ATG ACC TTG CCA TAT GGT TCT ACT CGC TTA ACT TGC CGT GAA TCT GTG ATT GAT TAC ATC GTA... WT N.A. Seq.

Nde I  
 123  
 TAT  
 TYR  
 ↓

Mutation

123  
 TIT  
 PHE

5' IT GGT TCT ACT CGC TTA ACT TGC CGT GAA TCT GTG ATT GA 3'

Mutagenesis Primers

3' GG CAC TAC TGG AAC GGT AAA CCA AGA TGA GCGAAT TGA 5'

Nde I (lost)  
 [ ]

... AAA AAG CCC GTG ATG ACC TTG CCA TIT GGT TCT ACT CGC TTA ACT TGC CGT GAA TCT GTG ATT GAT TAC ATC GTA... Mut. N.A. Seq  
 ... LYS LYS PRO VAL MET THR LEU PRO PHE GLY SER THR ARG LEU THR CYS ARG GLU SER VAL ILE ASP TYR ILE VAL... Mut. A.A. Seq

FIG. 7